

FIG. 1

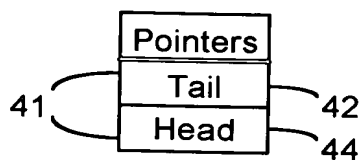
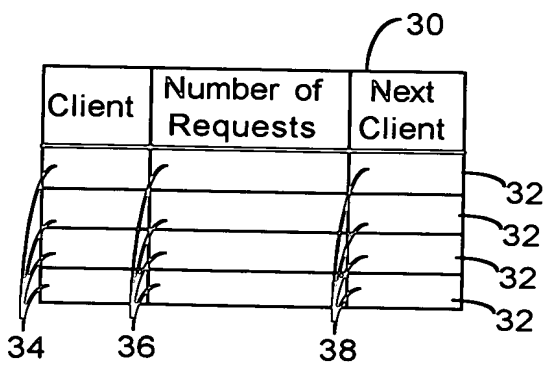


FIG. 2A

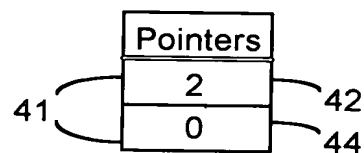
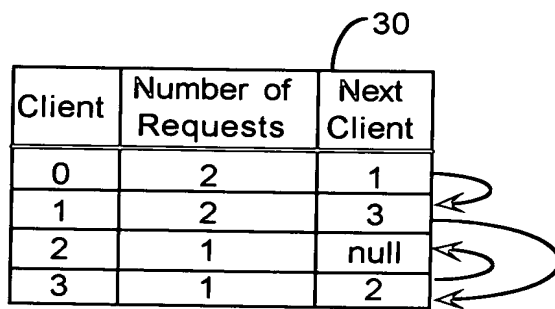


FIG. 2B

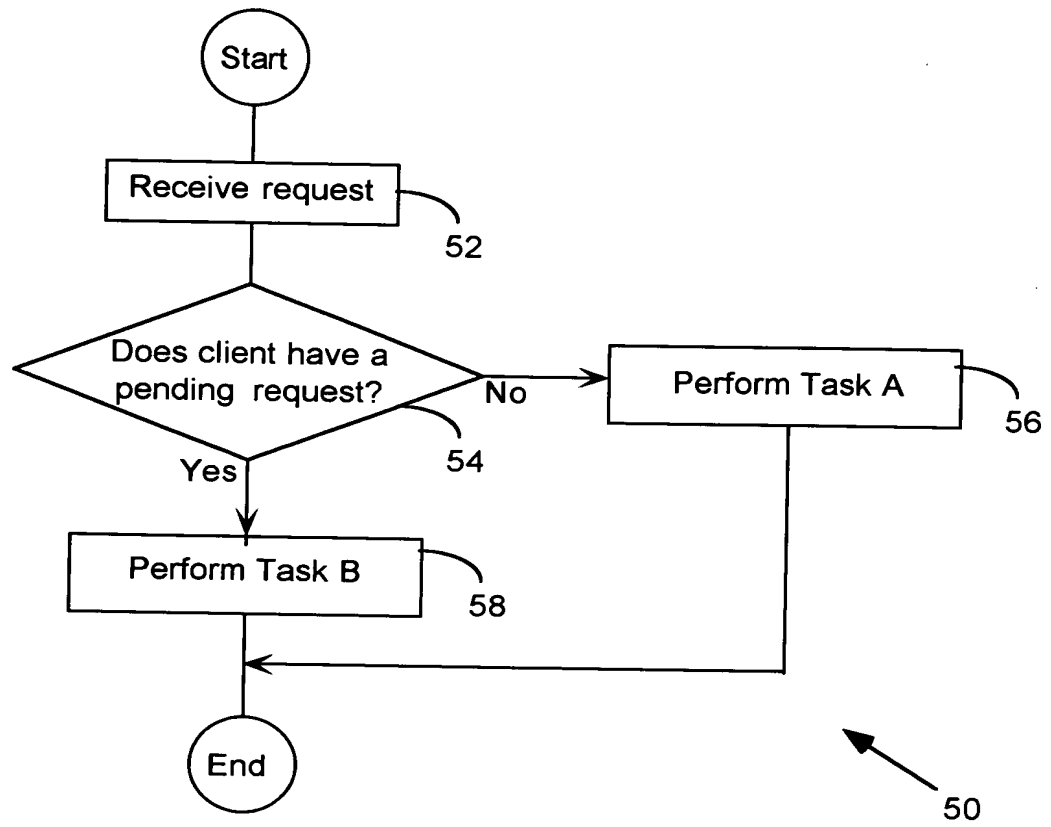


FIG. 3

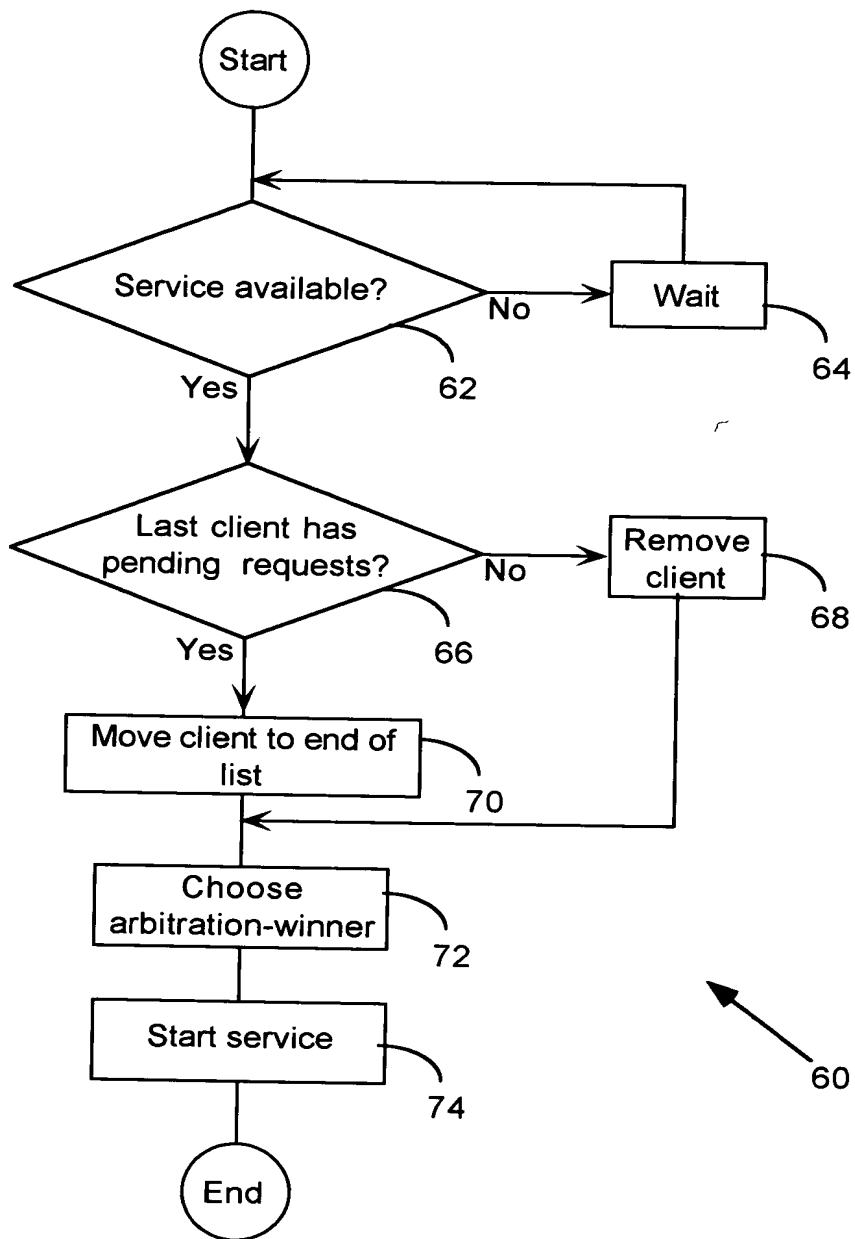


FIG. 4

	Client Identity	Number of Requests	Next Client	Linked List	Tail Pointer	Head Pointer
80	0	0	null		null	null
	1	0	null			
	2	0	null			
	3	0	null			
82	0	0	null	1	1	1
	1	1	null			
	2	0	null			
	3	0	null			
84	0	0	null	1	3	1
	1	1	3	3		
	2	0	null			
	3	1	null			
86	0	0	null	1	3	1
	1	2	3	3		
	2	0	null			
	3	1	null			
88	0	0	null	1	2	1
	1	2	3	3		
	2	1	null	2		
	3	1	2			
90	0	0	null	3	1	3
	1	1	null	2		
	2	1	1	1		
	3	1	2			
92	0	1	null	3	0	3
	1	1	0	2		
	2	1	1	1		
	3	1	2	0		
94	0	0	null	2	0	2
	1	1	0	1		
	2	1	1			
	3	0	null	0		

FIG. 5

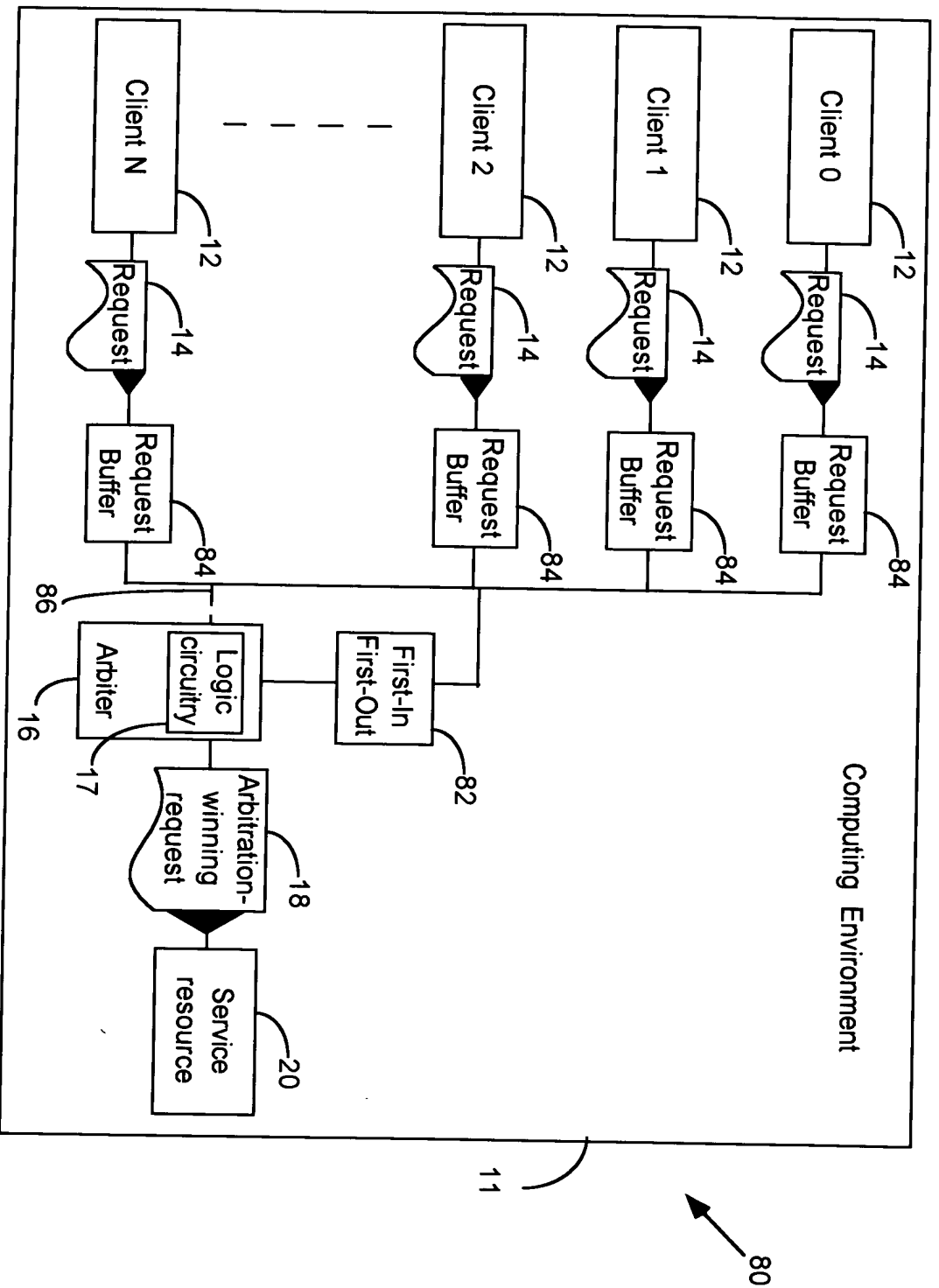


FIG. 6

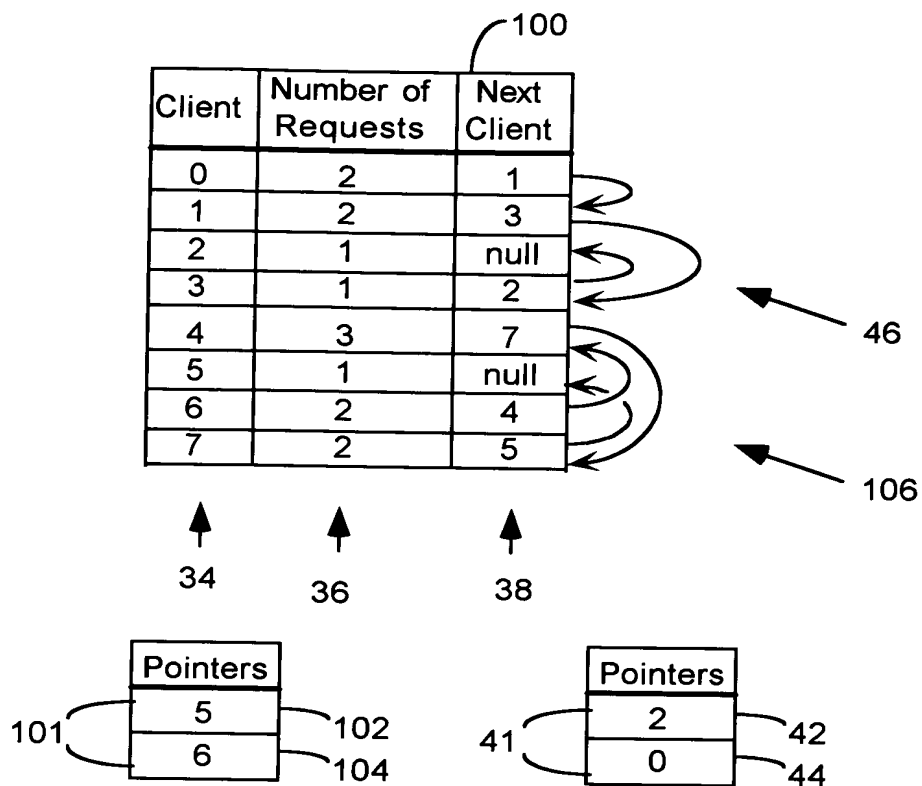


FIG. 7

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graph TD
    Start((Start)) --> D1{Service available?}
    D1 -- No --> Wait[Wait]
    Wait --> D1
    D1 -- Yes --> D2{Last client has pending requests?}
    D2 -- No --> Remove[Remove client]
    Remove --> D3{Choose arbitration-winner}
    D2 -- Yes --> Move[Move client to end of list]
    Move --> D3
    D3 --> D4{Arbitrate between different priorities}
    D4 --> StartService[Start service]
    StartService --> End((End))
    subgraph 112 [ ]
        D2
        Move
        D3
    end
    110[ ] --> StartService

```